

SNAPTECH, LLC

7305 Hunters Branch Dr
 Atlanta, GA 30328 US
 678-733-0136
<https://snap.tech>

**BILL TO**

QuantumRhino, Inc
 10115 E. Bell Road
 Suite 107-501
 Scottsdale, AZ 85260

INVOICE # 5533**DATE** 09/15/2022**DUE DATE** 09/15/2022**STATEMENT DATE** 12/08/2022**TERMS** Retainer/Due on receipt

DATE	ITEM	QTY	RATE	AMOUNT
08/22/2022	Development Onboarding	3	175.00	525.00
08/23/2022	Development Onboarding - team prep and project/business overview	6	175.00	1,050.00
08/24/2022	Management Orientation, access, resource planning	2	175.00	350.00
08/25/2022	Development Ramp up, code access/review, product installation	9.50	175.00	1,662.50
08/26/2022	Development Continued ramp up, code access/review, product installation	12.50	175.00	2,187.50
08/27/2022	Development Sorting out environment settings, going through microservices architecture and existing infrastructure	8	175.00	1,400.00
08/29/2022	Development Meetings & week kickoff	1	175.00	175.00
08/30/2022	Development DB schema familiarity, documenting env/setup, outlining work planning with Dan on NestJS structure, DB and services	4	175.00	700.00
09/01/2022	SQL Development End of week meetings, Typeorm changes, adding migrations framework to project	7	175.00	1,225.00
09/02/2022	SQL Development Adding migrations for code entities	10	175.00	1,750.00
09/03/2022	SQL Development More code entity migrations	4	175.00	700.00
09/05/2022	SQL Development	8	175.00	1,400.00

DATE	ITEM	QTY	RATE	AMOUNT
09/06/2022	Cleanup and finalizing testing on migrations Development Account service	12	175.00	2,100.00
09/07/2022	Development Account routes, services, and code cleanup.	8	175.00	1,400.00
09/08/2022	Development Testing and bug fixes on account service	9	175.00	1,575.00
09/09/2022	Development Initial docker effort on migrations, structure for seeding, tuning of patterns used on account module	12	175.00	2,100.00
09/10/2022	Development Seed build out for various tables and test data, going over things with Marin, docker-compose testing	10.50	175.00	1,837.50
09/11/2022	SQL Development Seed + Docker testing	5	175.00	875.00
09/12/2022	Development Architecture + refactoring plan with team, evaluating CI/CD/Github actions and docker changes that will be folded in. Backlog review.	9	175.00	1,575.00
09/13/2022	Development Notification service, NVM support, meetings	7.75	175.00	1,356.25
09/14/2022	Development Meetings, Indian team code migrations, cursory front end review	6	175.00	1,050.00
09/15/2022	Development Plan with Dan regarding use of single monolith to address all the issues with the 4 app setup without the proper backbone for microservices with a shared core. Ongoing code refactoring. Notification module	17	175.00	2,975.00

Initial statement of services for SOW A provided through 9/15/2022.

BALANCE DUE

USD 29,968.75

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INVOICE # 5534**DATE** 09/30/2022**DUE DATE** 09/30/2022**STATEMENT DATE** 12/08/2022**TERMS** Retainer/Due on receipt

DATE	ITEM	QTY	RATE	AMOUNT
09/16/2022	Development Upgrade to Nest v9 to fix vulnerabilities, as well as to v16 on Node, TypeORM migrations, and ongoing refactor and code cleanup of backend. System and Venue service modules.	18.50	175.00	3,237.50
09/17/2022	Development Docker compose work, venue, markdown docs, cross-env, migrations adjustments via docker, system module, architectural adjustments to single Nest app following meetings/approval from Dan, testing changes	16	175.00	2,800.00
09/18/2022	Development Console/migrations, nest framework for plural use, docker-compose testing/mods, PRs, nest global, system module routes and services	17.25	175.00	3,018.75
09/19/2022	Development Lazy/eager/join typeorm DB work, unifying project patterns, reviewing PRs, meetings, cleanup entities. Moving in code from outstanding PRs and added linting	14	175.00	2,450.00
09/20/2022	Development AWS review of authentication/secrets/infrastructure deploy, certificate/rank/qualification, typeorm entity/joins, meetings & sorting out Pankaj/Irving code structuring. Swagger docs & other pattern improvements	15	175.00	2,625.00
09/21/2022	Development PRs, team meetings, cleanup on qualifications, overtime availability PR	11	175.00	1,925.00

DATE	ITEM	QTY	RATE	AMOUNT
09/22/2022	changes, testing Development Integrating all the PRs from Indian team, Nest triggers, adjusting PRs directly to reduce lost time going back and forth, admin password reset, notes, tiers, LV-599/648/521, venue search capability	18	175.00	3,150.00
09/23/2022	Development Skills changes, testing, unify naming conventions & route/properties, docker adjustments, code reviews/cleanup	8.75	175.00	1,531.25
09/24/2022	Development Prep/testing for major PR merge of refactored changes + infrastructure changes for Monday	7	175.00	1,225.00
09/25/2022	Development Github actions and CI/CD changes for upcoming deployment	4.50	175.00	787.50
09/26/2022	Development Merged significant new code to /develop, new github actions, migrations, testing, patches to endpoints, getting PRs from Irving pulled in, minor docker adj, working with Dan to finalize deployment	11.50	175.00	2,012.50
09/27/2022	Development Global settings, PRs, testing and some patches	7.50	175.00	1,312.50
09/28/2022	Development Swagger docs on API, unifying exception handling, testing, training the team on changes, resource planning with Dan + adj to AWS infrastructure	8.50	175.00	1,487.50
09/29/2022	Development PRs, planning on event and preliminary work on the requested recurring implementation, serialization changes on Nest, overview of patterns with Irving, emailed invitations, migrations/AWS DB	9	175.00	1,575.00
09/30/2022	Development Assist on Pinpoint/Templates, PR reviews, cleanup of codebase to remove deprecated code, full sort/pagination/order capability with related tables on user, some account service adjustments	9.50	175.00	1,662.50

Statement of services for SOW A provided 9/16/2022 through 9/30/2022.

BALANCE DUE

USD 30,800.00

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INVOICE # 5535**DATE** 10/15/2022**DUE DATE** 10/15/2022**STATEMENT DATE** 12/08/2022**TERMS** Retainer/Due on receipt

DATE	ITEM	QTY	RATE	AMOUNT
10/01/2022	Development LV-50 business logic, DTOs, factories and services	8.75	175.00	1,531.25
10/02/2022	Development Qualifications routes & PRs. Event module.	4.50	175.00	787.50
10/03/2022	Development LV-50 template work for recurring	8	175.00	1,400.00
10/04/2022	Development Event template/recurring services	11.50	175.00	2,012.50
10/05/2022	Development Orientation/training Eban, work on overtime availability, disable user, swagger docs browsability from AWS, transactional feedback on pinpoint with Phil	12.50	175.00	2,187.50
10/06/2022	Development Eban q&a, minor PRs, LV-50, Event module, Testing docs, initial tests, mocking, code review, rank unit tests	14.50	175.00	2,537.50
10/07/2022	Development Cont. rank unit, skills unit tests, exploratory search tests, debugging tests. Event module.	9.50	175.00	1,662.50
10/10/2022	Development LV-50 various plus some automated test scripting	10	175.00	1,750.00
10/11/2022	Development LV-50 event template/recurring adjustments and instance structure. DTO changes, PR feedback, coverage checks	9.25	175.00	1,618.75
10/12/2022	Development LV-50 related code touch-up, testing and PR	9.50	175.00	1,662.50

DATE	ITEM	QTY	RATE	AMOUNT
10/13/2022	prep Development PR reviews and code changes for team, assisting Phil with notifications, seeding & test automation	6.50	175.00	1,137.50
10/14/2022	Development Testing & PRs, any field search capability, meetings, event template tests, Initial review & setup of front-end for full weekend evaluation. Meetings to discuss and review LVMPD product with QR senior team for proceeding to broader engagement.	14.25	175.00	2,493.75
10/15/2022	Development Analysis of design components, Figma, and other UI/UX requirements and challenges of assuming responsibility for React app	7.50	175.00	1,312.50

Statement of services for SOW A provided 10/01/2022 through
10/15/2022.

BALANCE DUE

USD 22,093.75

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INVOICE # 5536**DATE** 10/31/2022**DUE DATE** 10/31/2022**STATEMENT DATE** 12/08/2022**TERMS** Retainer/Due on receipt

DATE	ITEM	QTY	RATE	AMOUNT
10/16/2022	Application Evaluation Note, schedule and template route tests. Further evaluation on Front-end / React code for takeover proposal, design components and control flow	9.50	175.00	1,662.50
10/17/2022	Development Finalization of effort projections for LVMPD project and financials after meetings with team to get commitments for overtime/holiday changes if go-ahead is approved. Eban automation tests on notes, event/schedule. LV-110, LV-111, LV-115, LV-116 - segregated from event PR for seperate completion/review	13.25	175.00	2,318.75
10/18/2022	Development Event shift module, PR reviews, meetings	9	175.00	1,575.00
10/19/2022	Development Testing, correcting and merging PRs. LV- 810 mods. LV-50, status change, join mappings	11	175.00	1,925.00
10/20/2022	Development Event shift module/schema changes	7.75	175.00	1,356.25
10/22/2022	Development Event shift PR	8	175.00	1,400.00
10/25/2022	Development Cumulative PR assembled and tested with shift support that was split off from original LV-50 tasks. PR reviews/merging	9.50	175.00	1,662.50
10/26/2022	Development Posting APIs/schema	8.75	175.00	1,531.25
10/27/2022	Development Code reviews and performance	8.50	175.00	1,487.50

DATE	ITEM	QTY	RATE	AMOUNT
	optimizations. Event module changes			
10/28/2022	Development Mods to event shift, code cleanup	6.50	175.00	1,137.50
10/31/2022	Development Meetings, ticket updates, posting support	8.50	175.00	1,487.50

Statement of services for SOW A provided 10/16/2022 through
10/31/2022.

BALANCE DUE

USD 17,543.75

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INVOICE # 5537**DATE** 11/18/2022**DUE DATE** 11/18/2022**STATEMENT DATE** 12/08/2022**TERMS** Retainer/Due on receipt

DATE	ITEM	QTY	RATE	AMOUNT
11/01/2022	Development Cognito services, Meetings, PR changes for Pankaj / search, PR changes for pinpoint	11.50	175.00	2,012.50
11/02/2022	Development Cognito user rename support, PR reviews, significant refactors on Irving PR to get it ready to merge	8.25	175.00	1,443.75
11/03/2022	Development PR fixes/merge + cognito handling of user name. AWS API research	9	175.00	1,575.00
11/04/2022	Development PR reviews, meetings, swagger docs, system messaging architecture, search support on skill, counts on search result, status refactoring	10.50	175.00	1,837.50
11/05/2022	Development PR reviews	1.75	175.00	306.25
11/11/2022	Development Meetings, attachments	5.75	175.00	1,006.25
11/14/2022	Development Meetings, PRs, attachment changes to organize into a single module and support all the different types of mappings. PRs for S3 lambda and triggers	6.50	175.00	1,137.50
11/15/2022	Development Tidying up attachments, fixing some tests, prepping PRs, notes changes, schema on events	8.50	175.00	1,487.50
11/16/2022	Development Meetings, looking over PRs & schema changes, assisting in transfer of work to new team members	2	175.00	350.00

DATE	ITEM	QTY	RATE	AMOUNT
11/18/2022	Development Review of status, changes made in schema and housekeeping so there are no blockers related to transition of all remaining work to Jacob and the QR team through to UAT. Looked over open PRs	2	175.00	350.00

Statement of services for SOW A provided 11/01/2022 through
11/18/2022 (end of SOW A)

BALANCE DUE

USD 11,506.25